

# DGS HPS Scorecard and Guidelines

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CHPS SECTION		2006 CRITERIA SUMMARY: FOR DETAILED EXPLANATION SEE "CHPS BEST PRACTICES MANUAL VOLUME 3 - CRITERIA," 2006 EDITION	Max Possible HPS Points Rating Criteria	POINTS Claimed	DSA VERIFICATION	DSA - DOCUMENTS NEEDED FOR REVIEW. VIA SEPARATE SUBMITTAL, IDENTIFY EACH CATEGORY & ASSOCIATED PREREQUISITE OR CREDIT--SUCH AS--SSP1.1, OR EEC4.1. THEN, PROVIDE SPECIFIC INFORMATION OR SUPPORTING DOCUMENTATION DESCRIBED IN THIS COLUMN	PLANS	SPECS	DISTRICT LETTER OR SUPPORTING DOCUMENTS	SITE VERIFY
<b>SUSTAINABLE SITES (2 prerequisites; 14 possible points)</b>										
<b>1. Site Selection (6)</b>										
SS1.0 Code Compliance	Req.	Comply with all requirements of Title 5 and CA Education Code and Public Resource Code sections specified.	X	X		OPSC to Verify				
SS1.1 Environmentally Sensitive Land		No development on sites that are: prime agricultural land, in flood zone, habitat for endangered species, near a wetland or considered parkland.	1			State Parcel # and how far above (elevation) the 100 -Year Flood plain or submit PDF file of FEMA website map.				
SS1.2 Greenfields		Do not develop on greenfields.	1			State prior use of land:(e.g. farmland)				
SS1.3 Central Location		Create centrally located sites within which 50% of students are located within minimum distances of the school.	1			State percentage of Elem, Middle and HS students within prescribe distance.			√	
SS1.4 Joint-Use of Facilities		Design at least one space for "joint-use" and provide specified security measures	1			List the groups and contact information of Joint-use facilities. Identify facilities and/or spaces.	√		√	
SS1.5 Joint-Use of Parks		Share park or recreation space.	1			List the groups and contact information of Joint-use parks.	√		√	
SS1.6 Reduced Footprint		Reduce the building footprint.	1			Provide floor area ratio (FAR) calculation	√			
<b>2. Transportation (3)</b>										
SS2.1 Public Transportation		Locate near public transportation.	1			Identify transit system(s) and provide website link(s)				
SS2.2 Bicycles		Provide bike racks & bike lanes for a percentage of the school population.	1			Cite CSI Section. List number and type of racks, and provide bike lane and sidewalk infomation.	√	√		√
SS2.3 Minimize Parking		Minimize parking lot & create preferred parking for carpools.	1			List number of classrooms by school level. List number of carpool spaces and total number of parking spaces on the plans.	√			√
<b>3. Stormwater Management (2)</b>										
SS3.0 Construction Site Runoff Control	Req.	Control erosion & sedimentation to reduce negative impacts on water & air quality. Must incorporate minimum US EPA's National Pollutant Discharge Elimination System (NPDES) Part 2.	X	X		Cite CSI Section or Provide date and file/id number of SWPPP with State Water Resources Control Board or regional affiliate.				
SS3.1 Limit Stormwater Runoff		Minimize runoff.	1			Cite CSI Section if applicable. Calculate existing and post-development imperviousness in %. State methods to reduce runoff.	√	√	√	
SS3.2 Treat Stormwater Runoff		Treat runoff.	1			Cite CSI Section. Identify Best Management Practices (BMP) systems to mitigate stormwater runoff	√	√	√	√

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<b>4. Outdoor Surfaces (2)</b>										
SS4.1    Reduce Heat Islands - Landscaping		Shade or lighten impervious areas, or reduce impervious parking.	1			Cite CSI Section. Describe strategy to reduce Heat Island with impervious areas associated with parking. Show calculation of "Percentage of Surface Covered"	√	√	√	√
SS4.2    Reduce Heat Islands - Cool Roofs		Install cool roof.	1			Cite CSI Section. Identify roofing material and show calculation of "Percentage of Cool/Green Roof."	√	√	√	√
<b>5. Outdoor Lighting (1)</b>										
SS5.1    Light Pollution Reduction		Minimize outdoor illumination.	1			Cite CSI Section. Identify the IESNA zone and maximum foot-candles leaving site.	√	√		
<b>WATER (1 prerequisite; 5 possible points)</b>										
<b>1. Outdoor Systems (2)</b>										
WE1.0    Create Water Use Budget	Req.	Establish water use budget & conform to the local water efficient landscape ordinance.	X	X		Provide Maximum Applied Water Allowance (MAWA) calculation,			√	
WE1.1    Reduce Potable Water for Landscaping		Create an irrigation commissioning plan and reduce potable water by 50% or 100%, or do not install permanent irrigation systems.	2			Cite CSI Section. Provide calculations for percentage of reduction per budget; strategies employed; or no irrigation.	√	√		
<b>2. Indoor Systems (3)</b>										
WE2.1    Reduce Sewage Conveyance from Toilets and Urinals		35% reduction in potable water use for sewage conveyance.	1			Cite CSI Section. Provide calculations for "Total Percent Water Saved."	√	√	√	
WE2.2    Reduce Indoor Potable Water Use		Decrease water use by and additional 20% or 40% after meeting Energy Policy Act of 1992.	2			Cite CSI Section. Provide calculations for "Total Percent Water Saved."	√	√	√	
<b>ENERGY (2 prerequisites; 24 possible points; minimum 2 points required)</b>										
<b>1. Energy Efficiency (15)</b>										
EE1.0    Minimum Energy Performance	Req.	Design building to exceed Title 24-2005 by 10%.	X	X		For each building, submit electronic version of Title 24 model and PDF files of Title 24 reports. Refer to <u>Energy Checklist for High Performance School (HPS) Projects</u>	√	√	√	√
EE1.1    Superior Energy Performance		12% to 36% reduction in total net energy use from Title 24-2005 baseline.	13			For each building, submit electronic version of Title 24 model and PDF files of Title 24 reports. Refer to <u>Energy Checklist for High Performance School (HPS) Projects</u>	√	√	√	√
EE1.2    Natural Ventilation		HVAC interconnect controls with operable windows & doors.	1			Cite CSI Section. Confirm that interlock were installed that turn off HVAC systems if operable windows or doors are opened.	√	√		
EE1.3    Energy Management Systems		Install Energy Management System and provide training and manuals for maintenance personnel.	1			Cite CSI section of EMS monitoring systems, controls and training manual.	√	√		√

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<b>2. Alternate Energy Sources (7 OR 9)</b>										
EE2.1    Renewable Energy		<b>NEW CONSTRUCTION:</b> 5 to 35% of net energy use supplied by on-site renewable energy systems. 1 pt per each 5%, 7 points maximum. <b>ADDITION &amp; MODERNIZATION:</b> 3 points for first 5%, plus one point for each additional 5%, 9 points maximum. On next column, change 7 to 9	7			Cite CSI Section. Provide percentage of building's annual source energy savings by renewable energy or distributed generation.	√	√	√	√
<b>3. Commissioning &amp; Training (2)</b>										
EE3.0    Fundamental Building Systems Testing and Training	Req.	Third party or district verification of building systems & training.	X	X		Cite CSI Section or identify responsible party (provide contact number) and identify systems to be commission and training to be provided.		√	√	√
EE3.1    Enhanced Commissioning		Implement commissioning best practices.	2			Cite CSI Section or identify responsible party (provide contact number) and identify systems to be commission and training to be provided.		√	√	√
<b>MATERIALS (2 prerequisite; 12 possible points)</b>										
<b>1. Recycling (0)</b>										
ME1.0    Storage and Collection of Recyclables	Req.	Meet local standards for recycling space & have spaces dedicated to recycling.	X	X		Cite CSI Section or identify where on the school site an area is dedicated for the separation, collection, and storage of materials. Identify what materials will be recycled.	√	√	√	
<b>2. Construction Waste Management (2)</b>										
ME2.0    Construction Waste Management	Req.	Recycle, compost and/or salvage at least 50% of non-hazardous construction and demolition debris.	X	X		Cite CSI Section for Construction Waste Management Plan. Provide total demolition and construction waste generated versus total amount diverted by weight.		√	√	
ME2.1    Construction Site Waste Management at 75% or above diverted.		Recycle, compost and/or salvage at least 70% or 90% of non-hazardous construction and demolition debris.	2			Cite CSI Section for Construction Waste Management Plan. Provide total demolition and construction waste generated versus total amount diverted by weight.		√	√	
<b>3. Building Reuse (3)</b>										
ME3.1    Reuse of Structure and Shell		Reuse 75% or 95% of existing structure and shell.	2			Cite CSI Section and identify which portions of the existing structure were reused and provide the Building Reuse % calculation.	√	√		
ME3.2    Reuse of Interior Partitions		Use existing on-site non-shell elements in at least 50% of completed building.	1			Cite CSI Section and identify which portions of the existing structure were reused and provide the Non-Shell Reuse % calculation.	√	√		

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<b>4. Sustainable Materials (7)</b>											
ME4.1	Recycled Content	Follow prescriptive or performance approach.	2			Identify approach and provide completed ME Materials worksheet.	√	√	√		
ME4.2	Rapidly Renewable Materials	2.5% of materials are rapidly renewable or specify rapidly renewables for 50% of one of the listed major interior finishes or structural materials.	1			Identify approach and provide completed ME Materials worksheet.	√	√	√		
ME4.3	Organically Grown Materials	For at least 50% of rapidly renewable materials use organic materials.	1			Identify approach and provide completed ME Materials worksheet.	√	√	√		
ME4.4	Certified Wood	50% of wood must be certified	1			Identify approach and provide completed ME Materials worksheet.	√	√	√		
ME4.5	Salvaged Materials	Follow prescriptive or performance approach.	2			Identify approach and provide completed ME Materials worksheet.	√	√	√		
ME4.6	Alternative: Environmentally Preferable Products	Use this credit <span style="color: red;">in lieu</span> of 4.1-4.5. Interior finishes must meet EQ2.2. Earn a one-half point for each certified EPP Product. Low emitting materials (LEM) must meet the LEM requirements under EQ 2.2. this is a prerequisite specific to Credits claimed under ME 4.6)	7			Identify approach and provide completed ME Materials worksheet.	√	√	√		
<b>INDOOR ENVIRONMENTAL QUALITY (3 prerequisites; 20 possible points)</b>											
<b>1. Lighting and Daylighting (6)</b>											
EQ1.1	Daylighting	Meet minimum requirements and choose one of three options.	4			Cite CSI Section. Specify calculation approach (LEED calculator or the CHPS 2006 EQ1.1.3), and daylighting factor or percentage of classrooms with daylighting.	√	√	√		
EQ1.2	View Windows	Direct line of site glazing for 90% of classrooms, libraries and administration areas and provide view glazing equal to or greater than 7% of the floor area.	1			Include Classroom Worksheet of percentage of classrooms with "View Windows."	√	√	√		
EQ1.3	Electric Lighting	Provide high quality and flexible classroom lighting.	1			Cite CSI Section. All requirements must be met for this credit. List mode of operation.	√	√	√		
<b>2. Indoor Air Quality (9)</b>											
EQ2.0	Minimum Requirements	Establish minimum standards for indoor air quality that requires moisture control, building flush-out, outside air ventilation and HVAC basic requirements among other things.	X	X		Cite CSI Section for applicable requirements of EQ2.0.P1 thru EQ2.P15.	√	√			
EQ2.1	Increased Ventilation Effectiveness	Use thermal displacement ventilation in at least 90% of the classrooms.	2			Cite CSI Section. Show calculation for percentage of classrooms with Displacement Ventilation.	√	√			
EQ2.2	Low-Emitting Materials	Earn one-half point for each category of low-emitting products used in all classrooms and staff work areas.	4			Cite CSI Section and list the low emitting materials specified and their manufacturer and/or product name.	√	√			
EQ2.3	Chemical and Pollutant Source Control	Control dust, segregate pollutant sources, and local exhaust in kitchens.	1			Cite CSI Section and list strategies to meet criteria.	√	√			
EQ2.4	Ducted Returns	Install ducted HVAC returns.	1			Cite CSI Section. Confirm installation of ducted HVAC returns.	√	√			
EQ2.5	Filtration	Use HVAC with MERV 11 or greater rated filters through the HVAC system.	1			Cite CSI Section. Confirm installation of high efficiency filters and filter type.	√	√			

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3. Acoustics (3)																
EQ3.0	Minimum Acoustical Performance	Req.	Classrooms must have a maximum (unoccupied) noise level of 45dbA, with maximum (unoccupied) reverberation times of 0.6 sec.	X	X		Cite CSI Section. List strategies used to achieve the required noise and reverberation level.	√	√		√					
EQ3.1	Improved Acoustical Performance		Classrooms must have a maximum (unoccupied) noise level of 40dbA or 35 dbA, with maximum (unoccupied) reverberation times of 0.6 sec.	3			Cite CSI Section. List strategies used to achieve the required noise and reverberation level.	√	√		√					
4. Thermal Comfort (2)																
EQ4.0	ASHRAE 55 Code Compliance	Req.	Comply with Title 24 required ASHRAE 55-2004 thermal comfort standard	X	X		Cite CSI Section.	√	√							
EQ4.1	Controllability of Systems		Provide operable windows and/or separate controls for each classroom.	2			Cite CSI Section.	√	√							
TOTAL. For addition & modernization, min points required is 20, max is 77. For new construction, min points required is 27, max is 75. Reason for max points difference is reflected in EE2.1				75	0	0										
Registered Principal Architect (Signature)												<div>Prerequisites - Must meet all prerequisites</div> <div>Site Verification</div>				
												<div>Unprotected cells - For HPS Project Manager Inputs</div>				
Name, Title, Date (Please print)																